Fig. 1

Fig. 2

MeO
$$\longrightarrow$$
 MeO \longrightarrow MeO

Fig. 3

Fig. 4

Fig. 5

Trg. 0

$$CO_2H$$
 CO_2H CO_2

Fig. 7

OTf
$$NH_2$$
OCH₃

$$2$$

$$49$$

$$18$$

FIG. 9

$$H_3COOC$$
 H_3COOC
 H_3COOC

FIG. 13

OR OH OH OH OME

$$\begin{array}{c}
57 \\
77 \\
R = CH_3 \\
77 \\
R = H
\end{array}$$

$$\begin{array}{c}
0 \\
OH \\
OH \\
OH \\
OH
\end{array}$$

$$\begin{array}{c}
0 \\
OH \\
OH
\end{array}$$

$$\begin{array}{c}
0 \\
OH$$

$$\begin{array}{c}
0 \\
OH
\end{array}$$

$$\begin{array}{c}
0 \\
OH$$

$$\begin{array}{c}
0 \\
OH
\end{array}$$

$$\begin{array}{c}
0 \\
OH$$

$$\begin{array}{c$$

FIG. 16

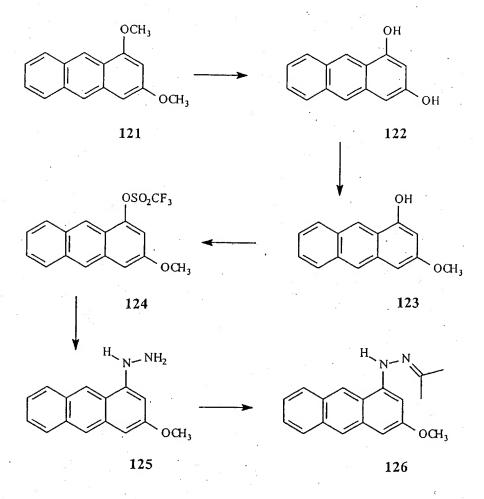


FIG. 17a

FIG. 17b

FIG. 18

FIG. 19

$$CO_2CH_3$$
 HO_3S
 OCH_3
 CHO
 OCH_3
 CHO
 OCH_3
 CHO
 OCH_3
 CHO
 OCH_3

$$CO_2CH_3$$
 CH_3O_2C
 CH_3O_2C
 CH_3O_2C
 OCH_3
 CHO
 OCH_3
 OCH_3

FIG. 20

FIG. 21

$$\begin{bmatrix} R^{12} - L^{12} \\ H_{02}C + CH_{2}CH_{$$

FIG. 22a

$$\begin{bmatrix} R^{12}-L^{12} \\ -0_3SCH_2CH_2CH_2CH_2 - -CH_2 - CO_2H & 114 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -0_3SCH_2CH_2CH_2 - -CH_2 - CO_2H & 114 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 \\ -12^2-R^2 - CO_2H & 114 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 114 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 114 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 114 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 114 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 115 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 115 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 115 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 115 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 115 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 115 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 115 \end{bmatrix}$$

$$\begin{bmatrix} -12^2-R^2 \\ -12^2-R^2 - CO_2H & 115 \end{bmatrix}$$

$$\begin{bmatrix} R^{12}-L^{12} \\ +O_2C - - CH_2 - CH_2 - CO_2H \end{bmatrix}$$

$$-L^{12}-R^2$$

$$-CH_2 - CH_2 - CH_2 - CO_2H \end{bmatrix}$$

$$+O_3CCH_2CH_2CH_2CH_2 - CH_2 - CO_2H \end{bmatrix}$$

$$+O_3C - CH_2CH_2CH_2CH_2 - CH_2CH_2CH_2CO_3 \end{bmatrix}$$

$$+O_3C - CH_2 - CH_2CH_2CH_2CO_3 \end{bmatrix}$$

FIG. 22c